



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-31 14:42:49

Date of Next Testing: 2027-08-31 14:42:49

Product Name: **Hafnium(IV) ethoxide**

CAS Number: 13428-80-3

Specifications & Purity: $\geq 99\%$

Lot #: H2419147

SKU #: **H283049**

Version: **2**

Analysis #: **354518**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	25.9 -27.3 (%)	25.91000 %
Hydrogen by Elemental Analysis	5.4-5.8 (%)	5.41000 %
Assay(Complexometric EDTA)	99-102.5 (%)	99.12000 %
Assay(As Hf)	99-102.5 (%)	99.10000 %
ICP:Confirms Hafnium Component	Confirmed	Confirmed

John Su
QA & QC Manager